L Number	Hits	Search Text	DB	Time stamp
1	1439	((524/94) or (524/157) or (524/161) or (524/162) or (524/163) or (524/497)).CCLS.	USPAT; US-PGPUB	2003/09/04 11:20
2	358	(((524/94) or (524/157) or (524/161) or (524/162) or (524/163) or (524/497)).CCLS.) and polycarbonate$	USPAT; US-PGPUB	2003/09/04 11:21

L24 ANSWER 27 OF 145 CA COPYRIGHT 2003 ACS
AN 133:310745 CA
TI Light-reflecting fire-resistant **polycarbonate** compositions and reflective plates therefrom
IN Sato, Ichiro; Nukui, Shinji; Yoshida, Yutaka
PA Sumitomo Dow K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM **C08L069-00**
ICS C08K003-22; C08K005-13; C08K005-523; G02B001-04; G02B005-08; **C08L069-00**; C08L083-05; C08L051-00; C08L027-18
CC 38-3 (Plastics Fabrication and Uses)
Section cross-reference(s): 74
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000302959	A2	20001031	JP 1999-67416	19990312
PRAI	JP 1999-40973	A	19990219		

OS MARPAT 133:310745
AB The compns., useful for light-reflecting plates for liq. crystal displays, comprise **polycarbonates** 100, TiO2 5-25, organohydrogensiloxanes 0.01-3, epoxy-modified elastomers 0.5-10, fire retardants 1-20, and antidripping agents 0.01-2 parts. Thus, a test piece comprising Calibre 200-13 (bisphenol A **polycarbonate**) 100, RTC 30 (rutile TiO2) 10, KF 99 (H siloxane) 0.05, Paraloid EXL 2314 (epoxy-modified core/shell acrylic rubber) 2, BC 52 (tetrabromobisphenol A carbonate oligomer) 3, and Fluon CD 076 (PTFE) 0.2 part showed light reflectance (Y value) 93, impact resistance 50 kg-cm/cm, flexural rigidity 25,000 kg/cm2, MFR (300.degree., 1.2 kg load) 9.6 g/10 min, fire resistance (UL 94) V-0, and good appearance.
ST **polycarbonate** fire resistance light reflecting plate; titania siloxane **polycarbonate** light reflecting plate; epoxy elastomer **polycarbonate** light reflecting plate; antidripping agent **polycarbonate** light reflecting plate; liq crystal display light reflecting **polycarbonate**
IT Fluoropolymers, uses
RL: MOA (Modifier or additive use); USES (Uses)
(antidripping agent; fire-resistant **polycarbonate** compns. for light-reflecting plates)
IT Acrylic rubber
RL: MOA (Modifier or additive use); USES (Uses)
(epoxy-modified, core-shell, Paraloid EXL 2314; fire-resistant **polycarbonate** compns. for light-reflecting plates)
IT Fire-resistant materials
Fireproofing agents
Liquid crystal displays
Optical reflectors
(fire-resistant **polycarbonate** compns. for light-reflecting plates)
IT Polysiloxanes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(fire-resistant **polycarbonate** compns. for light-reflecting

plates)

IT **Polycarbonates**, uses
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT **Polycarbonates**, uses
RL: MOA (Modifier or additive use); USES (Uses)
(oligomeric, fire retardants; fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 25067-11-2, Fluon CD 076
RL: MOA (Modifier or additive use); USES (Uses)
(antidripping agent; fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 27815-51-6D, Carbonic acid-tetrabromobisphenol A copolymer, 2,4,6-tribromophenyl-terminated 56262-45-4, BC 52 139189-30-3, ADK Stab FP 500
RL: MOA (Modifier or additive use); USES (Uses)
(fire retardant; fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 9004-73-3, SH 1107 **13463-67-7**, RTC 30, uses 26403-67-8, KF 99 49718-23-2
RL: MOA (Modifier or additive use); USES (Uses)
(fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 24936-68-3, Calibre 200-13, uses 25037-45-0
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(fire-resistant **polycarbonate** compns. for light-reflecting plates)